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EX CALLS

FLORIDA SKIP has listed more EX-CALLS than any amateur publication in the world. Have you sent in yours? Editor.

WB4CQU ex W4ABGU
K4NKA ex W4IVJL, W4LTF
WB4ASG ex W49PQE
K4QM ex W4ABS
W4SDP ex W4JMK, CO2MC
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WB4TGW ex W4N8CVA
K4EVZ ex W4HHK
W44DRW ex W4IHH
K4NP ex 2CCK, K3KPL, W3AP
WB4LUE ex K4Z5DK
W4SYG ex CO4DL
K4QI ex W4EV, W4IRN, I4IA
WB4TCZ ex W45JEN, K4VKC, K4KN6VKC, A4JLP



Letters To Editor

Recently, in a local newspaper I received a nickname, "The Short Wave Ambassador of North Miami Beach." I don't particularly mind this if it will help the cause, which is bicentennial QSL cards and the participation of the amateurs in the greater Miami area.

With the help of your publication, my idea could become a reality. As you know this is a once-in-a-lifetime QSL card, and many amateurs would cherish a bicentennial QSL card like this. I need the

support of your readers to convince the bicentennial committee that the amateurs are as much a part of the United States as hotdogs and hamburgers, and we should be considered as part of our country's 200th birthday celebration.

I wish your readers would give me a vote of support to go before the committee and make this a reality. Please send letters to:

Steven Kaplan, W4SJK

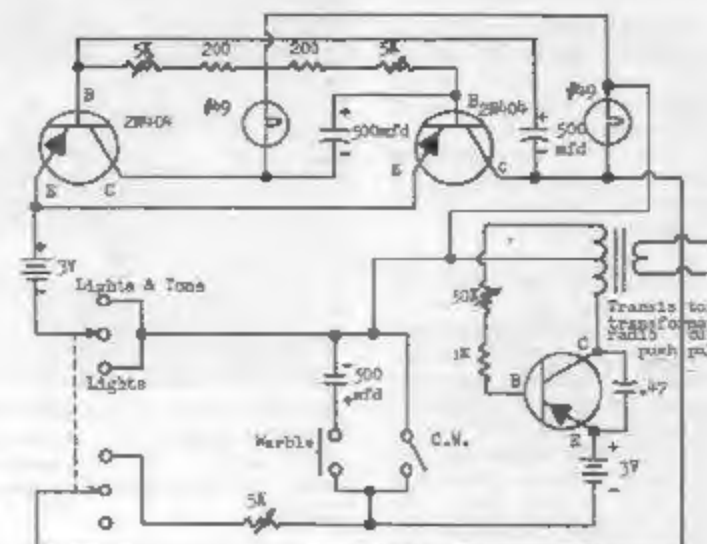
17111 N.E. 8th Ave.

North Miami Beach, Florida 33162

NOTHING BOX

By AA9UND (Indiana Technical Bulletin)

Have you ever heard your youngster ask "what's there to do?" If so, and he is between 3 and 8 years old, this gadget will keep him quite busy. It blinks at all sorts of variable speeds. It warbles at adjustable tones, is a code oscillator, and does just about anything that a kid likes, so here is something to keep him busy weeks after Christmas.



ON LAND & SEA

As we all know our hobby is a prime source of training for a variety of radio related professions. Here in Florida WB4IPP applies the skills of his hobby to his job as Radio Officer of the S S Green Bay, a freighter that Sparks says plys the waters between the U.S. and Asia. Using the call W9ADT MM, he QSOs the world from the Pacific.

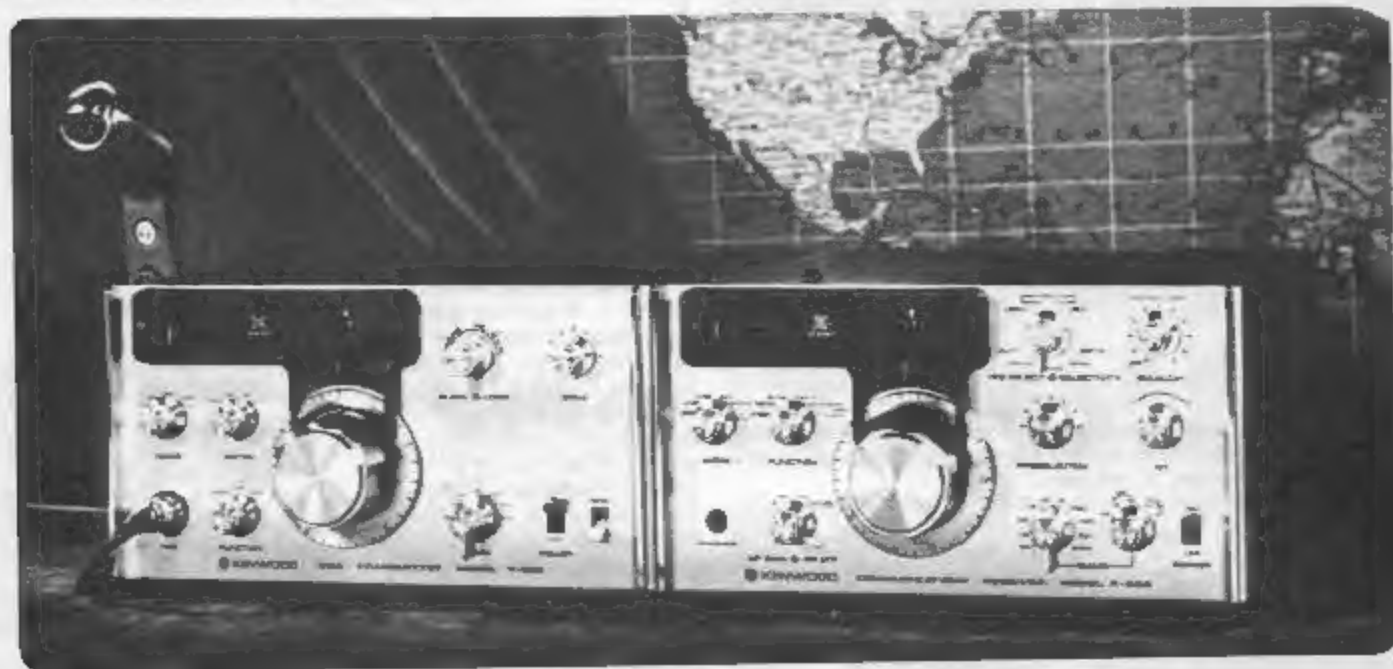
WB4IPP's experience goes back to 1940 when he was the "SPARKS" on an old Square Rigger, the Twissala. By taking a number of government correspondence courses while at sea, he taught himself navigation and won a Second Mates rating. He sailed as a mate for five years on a variety of tankers. After taking a five

year vacation he went back to sea again as a purser for two years.

Somewhere during this period WB4IPP found time to teach at Boston University, while attending Valparaiso Technical Institute. At Boston Univ. he taught morse code at all speeds.

In a letter to SKIP, Sparks says that he expects to go back to sea again in mid-Sept., leaving behind a garageful of junk and a houseful of radio gear. He will next be home, West Palm Beach, in March 1971.

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COMMANDER Alan Shepard, center, Lunar Module Pilot Edgar Mitchell, left, and Command Module Pilot Stuart Roosa, right, are shown with their Apollo 14 emblem.

WORLD SKIP

By Joe Poston
K4EXT • FGOAB

It's contest time again, so I'll list the various events coming up: ARRL SSB, Feb. 6-7 and March 6-7, 0000Z to 2400Z, RS (+) state. ARRL CW, Feb. 20-23 and March 20-21, 0000Z to 2400Z, RST (+) state. Check Dec. '70 page 72 for full details. Whether you enter the contests for blood or fun, don't miss out on the new ones from Asia and Pacific, which will only be on during these 'ests.

LONG PATH

VS9MB — "Howie" — Aden: is on regularly at 2300Z Approx 14.223 - .225.

4S7AB — Jim — Ceylon: is open for short call on 14.220 - .223 from 2200Z to 2300Z.

KG6AAY "Dave" — Guam: will come back to anybody's short call: "CQ - LP Pacific DE — BK." He says it's funny how many W's he has passed up, due

to long CQ's.

Example: I called "CQ Med. DE K4EXT", once — no answer — 5 sec. later again — no answer — 5 sec. later again K4EXT DE M11 — "TVO" calling: I tried a few more times with only 2 or 3 call and snagged: ZS2MI (Marion Island), FM7WN (Martinique) CR7CO (Mozambique).

Just think how much less QRM is generated and with better success.

SHORT PATH

AC3PT — "His Hi'ness" — Sikkim — Hangs out on 14.299 yes 14.299 at 1300 to 1330Z.

ON5DO-AP2 — East Pakistan will be on 14.240 - .250 approx. 1230Z.

ZS2MI — "Fank" — Marion Island ops 14.200 (xmit) 14.201 - .205 (Recv) at 0330 Most every nite w-59 Signals in Fla.

Hooray for the French — They have just loosened their restrictions on all French Possessions, but please don't apply for a license unless you will use it. For those wishing to acquire a French call (F08 — Clipperton excluded) please send S.A.S.E. for license application details. Your letter to Paris must be written in good French. A lot of thanks goes to W9DX Mr. Bob.

3B7DA — "Alex" — who is 1B8DA was using this new prefix at St. Brandon, is back home at Maritius. He will go to 3B9 (Rodrigues) in January if he can scrape up a few more bucks. For prefix collectors, this is Ole VQ8.



AIR FORCE MARS

By J. R. Hopkins, WB4BND

Our new training manual is out at last! It has been overdue for some time now, but as I read it, I feel it was worth it. It is well written and mostly free from errors. What errors there are are minor and easily corrected. It reads well and simply. Nothing is put out as mysterious or sacred so no one should have any trouble understanding what is wanted. Perhaps I am being presumptuous with that last statement, but it reads that well to me. I also do not mean to imply that there will be no questions raised about certain points made in the text. They will be questions of application rather than misunderstanding. I think the manual is called MARS operations and training program and will become the only proper procedure permitted on our frequencies in the near future. I hope they do not forget to mail copies to some of our Base stations.

Incidentally, going by the same time table we should have the new AFM 100-15 next year some time. Keep in touch with other members to find out when they receive theirs so you will know when you should have received yours. As they are being mailed directly from SCA you will have to let them know that you did not get yours. This can be done by MARS message or, writing a letter and forwarding it through the chain of command to SCA. I emphasize this point of your obtaining one, for you will be required to pass a proficiency test based on this manual and it cannot be done without it.

9M8FMF — Rev. Dicke — is active on Sundays for the week end DX-ers — 0045Z at 21.355 regularly — QSL to W1YRC w S.A.S.E.

Long Path to VU2 etc. each morning, 195 - 1100 - 1300Z, and 9M2 etc. each evening 175 - 2200 - 2300Z. There is plenty of DX on, and lots more coming in January and February.

NAVY MARS

By Bonnie Weiboldt
NOP-JQ WB4FSF

Welcome aboard to NOPEF of Winter Haven to the South Florida area. He is a "snowbird" from New York State visiting for the winter.

NOOPU is conducting tests with his URC-40 on 2 meter sideband. The 2 meter "bugs" are attempting to establish a net for communications throughout the state and district on this band.

South Florida has a system of liaison to and from the cw and phone nets for exchanging traffic when needed.

North Florida stations were much assistance to the Central Florida Cerebral Palsy Telethon.

Deputy MARS Chief Chris Walker and Chief Poston are both planning to attend the Miami Hamboree.

Traffic is still going strong after a successful holiday season.

FREE TO OUR SUBSCRIBERS

1971 — 5 color post card-size calendar FREE to our Florida SKIP members. Send a self addressed stamped envelope to FLORIDA SKIP, Box 501, Miami Springs, Fla. 33166. Yours will be mailed promptly. First come first served. Editor.

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TURKISH DELIGHT

One thing that always interested me was the Dardanelles and the Bosphorus — separating Europe from Asia. Another, was the Turkish belly dancers.

We arrived in Istanbul late in the day, too late to do or see anything of importance outside of checking into the Hilton Hotel and having our supper. The Hilton by the way has a commanding panoramic view of the Bosphorus, and from our room we could see Asia.

The next morning we were off on a sightseeing tour of the city, visiting a few Mosques — the largest one in the world and another called the "Blue Mosque" that had an exquisite beauty about it. At noon we stopped for lunch and after that we set off to the GRAND BAZAAR. This is like a super "Yorkdale" — Turkish style. There are over 3,000 individual shops there selling everything you can imagine, all under one roof! Talk about competition — it's dog eat dog and let the buyer beware. No matter what price is quoted, the return bid is 40 percent less and from that point, the haggling starts — this can go on for two or more hours and whoever has more stamina gets the better end of the deal. Usually, it is the merchant, for he is trained in the business and is hardened to do it.

That evening, after supper, we set off for a night club, featuring Turkish entertainment, a series of colourful dances by a group of men, followed by a singer or two, finally brought us to the highlight of the evening — a real live belly dancer.

She was a real beauty and her body swayed with the motion as the Turkish rhythm gradually built up. Faster and faster became the beat and the upper part of her anatomy was really bouncing around. I must admit, that I was fascinated with the whole thing, when I noticed two things that struck me as a bit odd.

For one thing, she was looking right at me while this dance of passion was going on. At first I couldn't believe it, thinking maybe it was someone behind me. But so, there was no doubt about it, she was looking at me.

Then I noticed her bosom was dancing in a definite pattern.

Then I noticed her bosom was dancing in a definite pattern, like C.W. Just for kicks I

(Continued on Page 9)



AN AWARD WAS presented to WA4ONZ, Cmdr. James A. Tew (left) in recognition of his outstanding development of the Audio Meter Reader. The presentation was made by Howard McNeely, WB4DRM President of the Country Cousins at their Annual Jamboree and Dinner in Tavares on November 7th.

THE YLISSB SYSTEM

For those tuning above 14.3, and finding that part of the band practically useless for DX or QSO's because of the numerous nets there, might find it most interesting and rewarding to participate in one or more of them, instead of feeling "pushed" off the frequency. One such very special "NET" is the YL INTERNATIONAL SIDEBANDERS COMMUNICATION SYSTEM.

I have been on the YL system (my number 6987) for about two months now, and have found it to be very worthwhile in DX'ing alone, with a nice jump in my countries list. As the title indicates, the system is for YL's, at least that was probably the original intention. But I'm sure the OM's participating daily on the system is equal to the tur-

nout of the YL's. It meets on 14.332 daily at 1600Z. In order to be fair to all districts, there is a set different rotation called every day.

Let's start from the beginning of an average day. The net control will QRZED each call district, and DX check-ins, in order to have a basic original check-in list. Then, after the areas are completed, he goes to the first area of the day, and permits each check-in of that area to make two calls to two stations he has heard on the system and would like to ex-ports with. After the control completes the call area, he will QRZED for new check-ins, and go to the next district. The system gets quite large sometimes, with usually 60 to 70 stations daily, and for that reason, the entire system goes

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through only three or four rotations.

The system organization offers a very beautiful awards program for sideband members. For example, the "USA" award is for working sideband members in each of the 50 states. The CORONA BOREALIS AWARD is for working the holders of the USA award. When a member completes the specifications for a particular award, he gets two hams to verify the QSL's, and sends pertinent data to the president of sidebanders: K4ICA. Incidentally, the QSO does not have to be made on the system; it is for QSL's on any frequency between sidebanders. You do not have to be a member to participate and make calls on the system, but it is necessary for applying for awards.

So — there's the system I might want to point out that the system's primary purpose on the air is to handle EMERGENCY traffic. When emergency traffic is on the system, which is surprisingly many days a week, it's all stop. Every effort is made to get this traffic through. There are many stateside SSB members, and many hams know to come to .332 when they have emergencies, knowing that it is quite probable we can help him. For anyone further interested in this system, please tune up around 14.332, listen to what's going on, check in, and become a part of the YL International Communications System.

(From BARC Bulletin)

WIRE ELEMENT ANTENNAS

These dipole or inverted vee type antennas have full halfwave elements made of No. 12 copperweld wire. Detailed instructions and three ceramic insulators included. Double tuned units resonate to two frequencies inside a single bandwidth for optimum CW and phone performance with a single antenna. Folded dipoles and monobands available. Brochures upon request.

DUAL BAND for

80-40 M	\$35.00
40-20 M	29.50
10-6 M	13.75

DOUBLE-TUNED for

75/80 M	\$37.50
40 M	31.50
6 M	12.50

Shipping charges collect. Fla. residents add 4% sales tax.

HOUSE OF DIPOLES

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BROWARD A.R.C.

By Jim Wilson, W4GDK

At the B.A.R.C. Christmas party a lot happened. In addition to having a change of watch in which Jerry Kemmer was installed as the new President of B.A.R.C. we had a wonderful meal and a jolly evening with a bunch of wonderful guys and their gals.

After the dinner our President, Ruth Christian, WAHED, let us in on the secret we had been waiting for — who was our Ham-of-the-Year 1970? From careful consideration came the answer: Tom Middleton WB4CKY. Several others had been nominated. Even Tom had nominated someone else, but Tom won and here's why: Activity in Weather Satellite tracking E.C. for Broward county, net activities, canoe race supervision, on CW, RTTY and VHF. We might ask "What more can a guy do?"

We congratulate Tom. We had two more requests for Tunc Comparators to be built for sightless hams in this area. They are going to be built by Don Layman W4QAY of Hollywood who has been working with B.A.R.C. on this project for a long time. These comparators permit a sightless ham to tune his rig by comparative sound. Also he has small protrusions on a metal dial which he can feel with his fingers.

B.A.R.C. took 100 tickets to the Miami Hamboresse as we ran short last year. We wanted to do all we can to help the Miami Club make the Hamboresse a success.

Our TVI Committee has had only one complaint and that was settled very satisfactorily.

B.A.R.C. is putting on the ORIGNAL South Shore Anticonfest at Chaminade HS, Hollywood on Sat., March 13. There will be bargains galore so plan to attend.

BRANDON AMATEUR RADIO SOCIETY

By Gene Burton, WA4YNW

At the regular January meeting, BARS' speakers were Mr. Rick Michaels and Mr. Roy Whitliff, Director of Marketing and Engineering, respectively, with the TM Communications Company. (Two major cable TV companies are fast at work installing in Brandon.) This was a very timely and interesting program.

Don Patsch, K4EDA, BARS' new treasurer, is the author of a very informative article on lightning in the January issue of 73 Magazine.

Alma, WA4YNX, has agreed to give a program on silk screening QSL cards at our February meeting. This technique should be of interest to many hams. All area hams are invited.

BARS members invaded the Miami Hamboresse in force. Green vests were in evidence everywhere you turned. The BARS Junk Box swap table sales made considerable money for the club.

Bill, WB4MUU, reports that five members of our current novice class have passed their novice code test. Wayne Tope, W. D. Welch, Ralph Hogan, Janice Mackierman, and Duncan Mackierman are to be congratulated.

WESTERN FLORIDA NEWS

By Frank M. Butler, Jr., W4RKH

FM enthusiasts are forming an Association to operate a repeater. For info contact WB4DVM, WB4JCV or WB4DHL. WA4IZM, WB4CVR, W4FOX (Panama City) and WA4JIT (Sarasota) are active in the Betty Elkhart Net, for Power Company employees. It meets on 2865 KHz at 2300Z.

W4NOG was appointed PAM. He has mailed a net roster and NCS guidelines to all members of WFPN. W4JLW has two complete RW rigs — one for CW and one for phone. A new call is W4NSBD, stationed at Carry Field. K4NMZ is now teaching at Penn. State in W3 land.

Fort Walton: Transmitter hunts have started again, on 146.34 FM. Contact WA4UNV for details. About a dozen 16-meter enthusiasts can be found on 29.560 KHz evenings; K4RQ 4 is on from Crestview. Several hams are sporting new all-solid-state 2m FM transceivers.

Marianna: WA4SIB, K4UNT and W4E-CA are helping set up an EOC in the Jackson County courthouse. Two-meter FM equipment has also been bought for C.D. use in Blountstown; K4NML will operate it.

Port St. Joe: WB4LJO is a new ham here.

Tallahassee: The December dinner meeting of TARC was well-attended. WA4EOQ had to miss it because of heart trouble. WB4CTY and WB4GDU joined the 2m FM gang.

I.R.A.R.C. NEWS

By S.T. Walker, Sr., W4EWS

We regret to report the Silent Key of one of our club members, Willard A. Van Heiningen, W4BD passed away on Friday, December 11, 1970. Van will be greatly missed and our deepest sympathy go to his wife and family.

Sorry for the late reports from the Cocoa area, but this is a New Year and we will try to do better this year.

New Officers for the Indian River Amateur Radio Club for the 1971 year are: Don Klobe, WA4KJV, President; Norm Holweg, WB4EBK, Secretary, and S.T. Walker, W4EWS, Vice Pres. and Treasurer.

Norm and others attended the Miami Hamboresse. Our red club jackets were in prominence.

Our December club meeting was held at Brevard County C.D. Bq. in Rockledge. We saw the film on hurricane Camille. It sure was 20 eye opener and everyone should see it.

GATOR CHAPTER Q.C.W.A.

The January meeting of the Gator Chapter was held at the Knollwood in Clearwater and a total of 81 attended, with a good proportion of XYL's, guests and part-time residents. Nomination and election of new officers for 1971 was the highlight of the business meeting. The following will serve for the coming year. Chairman, Frank Shannon, K4GT, Vice-Chairman: Jack Faustich, W4CKL, Secretary: Bill Flanders, K4PV, and Treasurer: Fred Powell K4PF. All present expressed sincere regret at the recent passing of our loyal members Bob Fenimore W4TY and Howard Goodridge K4CUP. The February meeting will take place at the Knollwood on Saturday, February 13. A rising vote of thanks was given to retiring secretary Hal Bates for his five years of faithful service to the Chapter. Harold Forry, W4BNV, is planning to sponsor a special trip and outing on March 13 with luncheon at a famous seafood restaurant in the vicinity of Homosassa Springs. Details will be forthcoming in a notice to all members.

FORT MYERS CLUB NEWS

By Ken, W4GME

Guest speaker at the Jan. club meeting was W4KA, Leo Hainzman. Leo is retired from the FCC, and also worked in several other Federal jobs. He gave a complete run down on the functions of the FCC, and many of us learned something from his interesting talk.

The FMARC has a new meeting night and meeting room. The club now meets on the first Wednesday of the month at the Federal Savings and Loan Bank on Pondella Road in North Ft. Myers. If you couldn't make the old meeting day we hope you will turn out for the new one now.

FMARC hopes to have an exhibition station at the S.W. Fla. Fair Jan. 25-30. The booth for the fair is being donated by WCAI, one of our local BC stations. Come by and see us at the fair if you are in town.

W4JSG has been reported on the sick list, but at last word Lou is doing better. Runner has it that Gus, K4ZIF is planning to retire from the Forest Service soon, and may move back North.

W4LNE is reported to be in Hawaii on another maritime mobile trip across the Pacific. Nick is planning to move to Toluca one of these days, he says.

W4TES, Claude is retiring after some 35 years in the radio and TV service business. Claude's boss, W4BSW, is also retiring, so you should hear both of these fellows on the air a little more often now.

W4KA is leaving soon to make a trailer trip to Mexico, and he reports many problems in trying to get a Mexican license for using the mobile rig while gone.

WB4JCB and W4SMK are being bothered by line noise in the neighborhood. We think we have it located, and the rest is now up to the power company. Do they make brute force filters for 3,300 volt lines?

PLATINUM COAST ARE

By Bill Armstrong, W4RPV

The PCARS two meter AM net is picking up momentum, 8 PM on Tuesdays with the exception of meeting night. The frequency is 145.35 MHz and all non-club members are invited to join in.

The Florida Childrens Home novice classes started February 1st. The ages of the ten children starting range from 10 to 14. The instructors are Don Sanders, W4BWS, Dave Strank, WB4IEK; Don Copeland, W4CII; John Gaston, W4VDM and Bill Armstrong, W4RPV.

The President of PCARS, Don Sanders, W4BWS, spoke to the Sociology class at Brevard Community College during November on the effect of amateur radio on society. The lecture covered highlights of the past from the tests of Hertz in 1897, proving electromagnetic waves radiated through space and Marconi's transatlantic contacts in 1901 to modern space communications. During the lecture emphasis was placed on the contribution of amateur radio operators at each milestone in communications development. Our thanks to Don for his efforts in spreading the good word.

Last but not least, PCARS would like to extend a warm Florida welcome to their new club member Vern Wilken, W4ZQF. Vern hails from Niles, Michigan but gave up the snow to make his home at Sebastian.

GULFSTREAM SOCIETY

By Alan Harp, W4SVH

If our repeater sounds better these days it is because of the efforts of Bud Roll, WA4FFJ. Bud built a class C amplifier that has increased the power to about 200 watts. It is a beautiful piece of home brew equipment using two 4-65 tubes in pushpull with tuned lines. Plans are to remove the 145.500 repeater input channel soon. This would leave only the 146.200 input. The transmitter frequency will remain 146.400. Plans are in the making to move the receiver sight. This will increase the receiver antenna height from 150 to 300 feet, which should cure the line noise problems.

FM activity is on the increase in the Society. WB4CDL, WB4TDA and WA4SVH have recently put converted Motorola 41-Vs on the repeater. W4JZB, WA4AZZ, and WA4SVH have Regency HR-2s on the air. By the time this is printed we hope that you will have worked us from 2nd or visited us at our W4SFF operation at the South Florida Fair. We hope to inform you of the success of this operation next month.

QCWA CITRUS CHAPTER

By K4LV

Our Christmas meeting was a luncheon held in the Mt. Dora Community Building. A roast beef dinner, enough for everyone, was attended.

K4GJ, William Hoidich of Daytona Beach was presented his "50 Year Certificate" by our MC, Bill Waldo, K4RE. Frank Kralovick, recently retired from FCC, recounted some of his experiences in

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(See page 13 for more details)



FCC work and Gene Berato spun us some yarns about his life in Alaska. To top it all off, Fred Brauner got out his ol' banjo and supplied a few medleys as a finale.

By this time Rog Spicer has had a short session in the hospital and, though he may have thought his end had come, or something, he's smiling all over the place again.

The next issue should carry the announcement of our early spring meeting and the lazy secretary may have sent out cards. We have 76 members on our roster now. It looks like someone in Jax should glue together a local bunch up there soon.

Don't forget the net—Saturday—10 am—7.254. Something new every Saturday.

VERO BEACH AMATEUR RADIO CLUB, INC.

By Grover W. Goewach, W4DFZ

There will be very little news from this correspondent for this month and probably for several months to come as the doctor has grounded all my radio activities indefinitely. He is putting me in the hospital starting Monday, January 11.

Before going QRT on this assignment, would like to thank three members of the VBAC (also members of the Treasure Coast Chapter QCWA) for coming over to my QTH and lowering the boom and working on my beam. They got the SWR down from 4 to 1 to 1.6 to 1, returning from CW to Fone section, also for going over all the connections. My thanks to Drs. K4QM, Dick, WISX-4 and Creed, W4TZ for a job well done. If you think that wasn't a lot of two-letter talent, you are mistaken.

We had a grab bag at our last meeting and also tried to show some movies on the telephone company cable ship "Lang Lines" laying cable on the ocean floor, but, Tom, W4KEE, our projectionist, blew a tube and we lost our audio. We did the next best thing and watched the picture with no sound. 73. CUL.

DCARPSC

By WA4ABY

The Dade County Amateur Radio Public Service Corps assisted the enormously successful Miami Hambarree by contributing manpower to the Dade Radio Club to do with as they wished. These DCARPSCers were taking tickets at the door and running around in orderly confusion attempting to keep the mammoth job of Hambarree coordination running smoothly. Dade Radio Club returns the favor by helping us with the September

Miami Auctionfest.

Our classes for aspiring new hams, and classes for those trying to upgrade their present class of license started again in January with a flurry of big time publicity. Acting as unofficial cheerleader and PR man, one of our newer and younger members Steve Kaplan, WN4SJK, has been busy bombarding radio-TV stations and newspapers in our city urging them to get out and report the ham story. He has been so successful getting us air time and newspaper space that all the rest of the club members cheerfully predict that the twelve year-old super-enthusiast will have a great career as a professional public relations consultant.

The DCARPSC also was working the annual Simulated Emergency Test during January. Operating both from our own station WB4LRY at Pace High School and from the ham facilities at the South Florida Division HQ of the American Red Cross, K4IWT, our public service oriented amateurs helped make the Eastern Florida section of the league among the leaders in SET participation.

WEST PALM BEACH AMATEUR RADIO CLUB, INC.

By Clara B. Stables, WB4NXX

Sunday, December 13, members and spouses enjoyed barbecued chicken, frankfurters, choice covered dishes, coffee, cakes, and milk at a gala Christmas party held at the clubhouse. Christmas gifts were exchanged. Charlie Minor, K4TFQ, furnished the decorations and Tony Correa, HK3QR W4, Harold Kilpatrick, WB4NPN, and Bill Howell, WB4PQB, attended to the barbecue.

On December 12 and 13, members Bill Sprague, WB4OUH; Jesse Knight, WB4PPW; "Twisty" Ljonoquist, W4DWK; Walter Furtak, WB4LWE participated in the 160 meter contest. They made 62 contacts covering 34 sections and 2 DX stations. Gene Sykes, W4BRB, worked the contest from his home two miles from the clubhouse, making 167 contacts covering 40 sections and numerous DX stations.

From this contest, we learned that two stations two miles apart cannot operate successfully and, also, that we need a different and better antenna system for 160 meters.

On Monday evening, January 25, at 8:00 p.m., in the Hostess Room of McArthur's Dairy, West Palm Beach, Lewis G. Mc-

Coy, W4ICP, internationally known amateur, and Novice Editor of QST for over twenty years, spoke to club members, their friends, and the general public on "Antenna Systems." Mr. McCoy is an expert in this field. He also answered queries on ARRL policies.

"Twisty" Ljonoquist, W4DWK, was instrumental in persuading Mr. McCoy to speak to one group; and Harold Kilpatrick, WB4NPN, secured the Hostess Room together with free refreshments.

SOUTH MIAMI RADIO CLUB

By George WB4JFA

The first meeting of the new year was held January 8 at the Coral Gables Police Station and a large turnout of both old and new members showed up. The club discussed a number of projects and one which we all agreed on was to help all of our members to upgrade their tickets by one step. If there is a good turnout of members for this project, we will try and offer code and theory classes for the prospective ham in the Southwest section of Miami.

A new fund was started to purchase a dub rig and the hat was passed around which was filled up fast, so it looks like the dub has a start on a new transceiver. We also had a drawing for a door prize which we try and have each business meeting, which always makes the meeting more interesting.

The club also discussed our proposed loan of the Coast Guard Radio Station and a breakfast was planned for the Ham-borpe.

Well, that's all for now, so we hope to see you at the next meeting on February 5, 1971 at 8:00 p.m. All new or prospective hams are welcome. 73.

TAMPA AMATEUR RADIO CLUB NEWS

By Frank Shannon, K4GT

The TARC Annual Xmas Dinner was held on regular meeting night, Dec. 21st, at usual location, Causeway Inn. We had 58 in attendance, this included the ladies. Our guests, famous brass-pounder Mae Burke, W4CUL, and her OM, were there with bells on and again Mae proved she was an excellent pianist. Mae was assisted by our two song-birds, Ray Murphy, W4RNE, and Vance Vogel, W4OVE. They lead us in singing of Xmas songs — one song, in particular, caused the old familiar blood

and nerve tingling, the gang singing of Silent Night, Holy Night. All present arose and stood throughout singing this famous Xmas number.

Year Scribe noticed that quite a number of TARC members were not in attendance, however, FCC Engineer-in-charge of Tampa Office, Angelo Ditty, was present and joined by his pretty KYL John Fogarty and Marvin Boston, Arrangements Committee, are again to be congratulated — they proved their system of personal phoning each member does work.

Our Code Class instructor, George Orth, W4THT, has changed the weekly code-class night to Tuesdays instead of former Thursdays, please take note and pass-the-word. George said he was having too much conflict and competition from the TARC VHF Voice Net which continues each Thursday night at 8 PM Local on 51.450 MHz, Vertically polarized.

Almost neglected to mention our Vice-President, Frank Ziegler, is sporting a new call-sign, K4EUK, ex-W4BPT-4. Frank assisted our President, Lou Wilkerson, at annual Xmas Dinner, in the task of M.C'ing and joining the song-birds at the gang-singing fun.

TARC's next big activity will be the annual installation of W4DUG, in a booth, for the two-week participation of the Florida State Fair during early February. C U next! Skip.

DELTONA NEWS

By Jack Six, W4YPA

1970 has come to an end and the Deltona Florida CD net has the following report activities for the year. The net met every week during the year except December 18th, 25th, 1970 and January 1st, 1971. A total of 91 check-ins and handled 273 simulated emergency messages. We had 3 members hospitalized in 1970 and lost one by death. We now have Albert Klein, K4CCX, active on 6 meters. All members are to be commended for their continued interest and dependability to the net.

K4LZ-W4YPA and K4MY with his KYL, attended the QCWA dinner of Citrus Chapter at Mount Dora, December 12th. A very fine dinner was enjoyed with a couple of wonderful speakers. K4RE, Frank, spoke on his experience with the FCC and Gene, W4ANKE, spoke on his experience in Alaska with FAA.

Bill Haidich, K4GJ, was presented his

(Continued on Page 8)

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(Continued from Page 7)

Fifty Year Award from QCWA. Congratulations Bill.

Had a note from WBADK, Denny Marbach, that he was loading up his station wagon for Daytona Beach area. Many friends hope to see him at the next Citrus Chapter Dinner in February. Hope all have good health for the coming year so that you may enjoy everyday.

West Palm Beach residents keep an eye out for a "Red Bicycle" and should you see it coming, run for shelter. WB4KZU, Joe, has one and out on it.

TAMPABAY REPEATER ASSOCIATION

By Jim Olivenbaum, K6MZP

The December meeting of TBRA featured an interesting talk on Civil Defense by Mr. Edwin Wright, Director of Pinellas Park Civil Defense. He presented awards to K4LMI, K4NOC, WB4NDG, and WA4HAA for their assistance in Operation Circa, a CD exercise.

Ken, WA4HAA, president of TBRA, has just been appointed Pinellas County EC. The association voted to buy a Regency TMR-8, a 6 and 2 meter FM receiver to raffle at the Miami Hamfest in January.

Election of officers for the TBRA will be held at the January meeting.

QSP, the club newsletter, is being well received. Walt, WA4FBI, is doing a fine job as editor. The last issue featured a technical article on speech compression and modulation by Bob, WB4COT. If you would like to be added to the mailing list, contact Ken, WA4HAA.

Our thanks to Bev, W4CKB, for a fine job on the Florida FM Directory.

FLORIDORA YLS

By Cathy Soehl

WB4V AREA ARNS

K0TIL, Ellie is busy teaching her dogs to tolerate her new 6 weeks old Siamese kitten. "Tito-Tar" (Good luck in Japanese). "Safari," by K4ICA, in the YL Intern't SSB Newsletter no. 18, gives an account with sketches and pictures, as related by Ellie on her trip to Africa. Interesting and well worth reading.

K4HEP, Lucia was 4th from top on ARRL Phone Honor Roll with W4MCW. Starting over at K4HEP, she is again (1 of 4 YLs) on the Honor Roll with 336 countries.

W4EMV, Kayla is having to take it easy, after a bout with pleurisy, which hospitalized her recently.

K4HSC, Meg's son, Jack, has no trouble when he visits, as comes in his \$11,000 trailer — a complete home.

WB4RYD, Margaret's brother has built her a cabin in the living room for her rig.

W4AAB, Frances was mobile as she left for California again, anxious of mother's illness.

W4WFD, Shirley relieved to receive phone call from son, Russell, when a plane recently crashed into the mountain on St. Thomas Island, V.I. He was on duty there and assisted in rescue operations.

W4APXN, Neta's OM, WB4JNZ, New has a job every Christmas taking pictures of their 9 grandchildren.

The Floridors had a booth and a jaccuzzi at the Miami Hamfest, Jan. 23rd and 24th. Details later.

SUNCOAST ROVING REPORTER

By Cathy Soehl

WB4V AREA ARNS

The Suncoast Amateur Radio Assoc. held election of Officers, with following results: President, WB4JKE; Vice-Pres., WB4JSS; Secretary, WB4AQY; Treasurer, WB4LYU. Afterwards, a very interesting

colored film "The Strange Case of Cosmic Rays" was presented. The January meeting will feature a Swap Table. Come and bring your "goodies."

W4NMEA, XYL of WB4ISZ, taking it easy at home, after recent surgery.

W4WME, Bill and W4BIL, Fran Foley enjoyed a visit from their daughter, who has been located in Miami, but was on her way back to Ohio.

WB4LTU W4GVC, has been on the sick list. Trust, as you read this, he will be fully recuperated.

W4BQHG, Martha, OM, W4AMJN, George Green, from Atwater, Ohio, and K4ONA, Eugenie Bernon, of Cleveland, Ohio, are enjoying their annual visit to the Suncoast.

K4GZ, Charlie and Mima May Louis, of Port Salerno, and W4TKA, "Mac" and Helen MacLean, of Brooksville, celebrated New Years at QTH of W4GHR, Bill and W4BAV, Cathy Soehl. This is an annual event enjoyed by this group.

May 1971 to be a bigger and better year for everyone!

THE COUNTRY COUSINS

By Stan Offenhutter, K4BLM

We hope that all of you had a Joyous Holiday Season.

Joe, W4THO, the Cousin's Santa Klaus did an excellent job again, his Ho-ho-ho's are a delight! We all wish you well and hope that you will continue this "joy is all" for many more years.

Howard, WB4DEM and Walt, W4STE, both have new linear amplifiers added to their equipment, putting out nice signals. Jess, W4CMI is putting up a new antenna.

Jack, W4TRH's XYL, Ruth, is at home now convalescing after her surgery — our prayers and best wishes for her speedy recovery.

Jim, W44ONZ and Howard, WB4DRM are working on our new project of the Barry Annas Cripple Children's Hospital in Guatemala where some of the patients are interested in becoming hams; this certainly is a worthwhile project. Code tapes, instruction manual and oscillator with key are now in use.

Ed, WB4SGW and Pete, WB4RVX are our latest new Cousins. Ed is our NCS on Thursday and doing a fine job.

A welcome to all to join us every night at 10 P.M. on 3870 KHz. A certificate is given by the Net. For all particulars please check in.

TREASURE COAST CHAPTER QCWA

By Kayla Hale, W4EMV-4

The newly formed Treasure Coast Chapter of QCWA held their first luncheon meeting Tuesday, December 1, at the Manatee Marina Yacht Club Restaurant in Port Salerno. There were twenty six in attendance.

The Chairman for the meeting was Grover W. Goewich, W4DFZ. There was a short business meeting and a good deal of socializing. The topic of the name was brought up. Some members had voted for the Sailfish Chapter, but it was felt this would make it too localized. It appears as if this writing that Treasure Coast will be permanent.

The last meeting was held January 26th at The Reef Motel in Vero Beach.

HARS NEWS

By Roy Scott, W4UHF

HARS Christmas Party, which was held at the Clubhouse on December 29th was an outstanding and pleasant affair. Each member brought a suitable gift for exchange with another member; they were numbered as each one registered and called off in reverse. The Club went all out in wonderful refreshments served by Mr. & Mrs. Jim Yost. HARS also had a number

of fine door prizes which included a beautiful FM AM receiver, voltmeter, etc. Mr. Angelo Ditty of the Tampa FCC Office and his family were guests. This was a fine social event for members and their families; and no club matters were taken up at all. Those members who were unable to attend missed a memorable event. More social activities are being planned for the near future.

There seems to be quite an upsurge in interest in Amateur Radio and HARS is getting so many requests for instruction both in theory and code, that a new class for Novice License preparation is in the making. Starting date will be announced as soon as the group is formed. Anyone interested should contact Roy Scott, W4UHF, at 933-6516 for registration and details. It was nice seeing you at the 1971 Tropical Hamboeze. 71.

ST. PETERSBURG

AMATEUR RADIO CLUB

SPARC held their annual Installation Dinner, Jan. 8th, at the Princess Martha Hall, with 97 in attendance, to enjoy the delicious Smorgasbord feast. Among those present was: WANOK-Jack Adams, President of AREA (Amateur Radio Editors Assoc.); K4ONA-Eugenie Bernon, 1st-Vice-Pres. of AREA; W4BQHG-Martha & W4AMJN-George Green. Martha is also member of AREA.

W4WME-Bill Foley did a very nice job of MCing. Certificates were awarded officers for their fine job during the year and others were recognized with a vote of thanks. W4TDX-Nelson Spence, Secretary, at the suggestion of W4FPC-"Mac" McSherry, was given a standing ovation for his faithful work in the Club over the past 20 years.

K4NE-Lew Slack, President, thanked the outgoing officers for a job well done, outlined some of his views and asking cooperation of members to volunteer for committee participation. If none are forthcoming, he will call those he appoints and expect action.

LI, Wayne, of the St. Petersburg Police Dept., gave a very interesting and enlightening talk on Narcotics: the increase in use, methods of catching and handling all caught using or disposing the various drugs, etc.

The unanimous opinion seems to be that this was the best meeting of its kind to be held.

WB4V AREA ARNS

DADE RADIO CLUB

By Paul Norman, WB4GCC

The Dade Radio Club had its Christmas Party at the QTH of Bob Loewenthal, K4YKJ. A great time was had by all attending. Bob, our party chairman, had just the right balance of spirits and food, 99 to 1 in that order.

We had our annual clean out the junk from the shack for gifts and there were lots of laughs. The tool box showed up again this year and I understand it's made the ninth recipient happy as usual.

A high point of the evening was the word game. The YL's and XYL's were shown words pertaining to hamming and the OM's had to get the word. The gals sure have some weird notions about our terminology. Lots of fun.

All that can be said is that those who did not attend should have... all except one that is!

This reporter has it on excellent authority, with many witnesses, that our very own Jay Hecker, WB4HDZ, was crawling around in the grass on all fours. Couldn't be found his car? Was it a transmitter hunt? In any event, it turned out that Jay had to be driven home... Perhaps in the not too distant future, his Carol will hold the car keys when Jay is

allowed out to another party. Happy Cold Duck to readers of Florida Skip of 1970 and let's all try to have better attendance at Dade Radio meetings in 1971.

See you all at the Hamfest Jan. 23-24.

PORT SALERNO LUNCHEONS

By Stark, W4YB

We are pleased to report that the Port Salerno luncheons are picking up again. Winter-time calls noted, among others, are: W3BNY, W4IRM, W4MOX, K4MWS, K4LJ, W4WLP, W4ZL, W4KTE, W4PE, K4GMI, W4CMC, W4WVEV, W4HKQ, W4BDM and W4AUM. You will note the absence of Kayla's call, W4EMV. She has been hospitalized but Doc reports she is home now and doing fine. We understand it is only by a miracle that we have Doc and Kayla with us after their disastrous fire in New Hampshire. Frightening to think about.

In answer to some on-the-air queries, we wish to say that as far as the Stuart area amateurs are concerned, the Port Salerno Tuesday luncheons at the Manatee Marina Yacht Club Restaurant are not club meetings. They are for socializing of all amateurs and their friends. It is not a club, there are no officers, no dues, and we hope, no premeditated speeches.

UNIV. OF SOUTH FLA.

RADIO CLUB

By WB4BNH

The USF Radio Club made tremendous strides in 1970. Increasing membership over 500 people to 25 members, most licensed. Under the determined efforts of President Glen Jenkins, WB4KTF, the club manager to convince the University that it was, indeed, part of USF and should be financially supported. Soon the inadequate DX-100 SB-10 rig should be replaced. The station has capabilities presently two thru forty meters. The VHF gear for six meter AM and Two meter FM is the fine handiwork of WA4UZZ, Bruce. He has lent the station the gear until we could obtain our own.

The Club's Novice Code and Theory program produced three new Novices, who should be on their way to the General Class shortly.

Club projects in the future, if enough support can be generated will include regular traffic nets; transmitter hunts; Communications for the many foreign students on campus; Liaison to other universities; and Public Service projects.

As the Club has a population of 18,000 students and faculty to draw on, it should be a far bigger club. However, USF is a peculiar institution, in that it is not the center of life for most students. The majority live off campus and have other interests to keep them away from the University after class. So it is with the Hams — they all have stations at home and decide they need not expend the effort to join a college ham club. Hopefully as the pains on this new institution ages, and Ivy grows, this situation will improve.

KNIGHTS OF KILOCYCLE

By Case, W4NGR

As the old year fades away and the new year blossoms into life so goes our every day mundane existence.

The 'old' Master Oscillator for the Knights has been replaced with a new one, elected after a hard fought but honest election, for the next six months. He is Bill, W4UGQ, of Port Charlotte. Bill has been a certified member of the Knights for some time and we know he will conduct each meeting with dignity and decorum. Another Bill, W4WDX has said that "old master oscillators never die they just smell that way." So this station, who has thrice

TURKISH DELIGHT

(Continued from Page 5)

decided to copy to see if it made any sense. It gave me quite a jolt when it made sense.

"U Copy C.W.?" she sent. Open mouthed, I nodded "YES".

"U American?" I shook my head to answer "NO."

With a puzzled look on her face she said, "U LOOK AMERICAN."

I picked up a plastic cocktail stick that was on the table and tapped out "NO, CANADIAN." "OH, I LIKE CANADIANS," she smiled.

She was sending about 30 wpm, but I didn't miss a word. It was easy — just follow the bouncing ball.

Then I noticed another thing — the lower part of her body was bouncing in a steady C.W. rhythm too.

"Holy T.V.I.," she is holding two QSO's at once — one on top, one with the bottom!

I looked over the room we were in to see if I could pick out who the other C.W. operator was. My eyes fell on a gentleman sitting just opposite us across the stage. He was looking right at me and smiling — there was a plastic mixer in his hand, too.

"Parla Italiano?" he tapped out. (Do you speak Italian?)

"A little," I sent back.

"Who is the YL with you?" he asked in Italian.

"My XYL," I replied.

"Such a shame — the dancer says she has a sister."

I parted my hands in a "what can I do" gesture.

We exchanged 73's and signed off. The Turkish beauty turned to the other operator and was really letting the C.W. roll off her rear end.

My wife and I left as soon as the show was over and her mood was none too pleasant.

"You surely could not take your eyes off her," she snarled, "and that tapping the glass was driving me crazy."

"Oh — sorry, honey — it's just a habit, just a nervous habit," I replied.

(NORTOPICS, DOVE3DDS)

been MO for the Knights will just fade into the back ground and let these "young squirts" take over. W4HGO, Ralph, DeBary has talked the FCC into giving him his license back and was elected to take charge of the birthday and anniversary list and keep all that money in the "Flower Fund" drawing interest. Ralph is known as the "Speech Amplifier."

FOR AMATEUR RADIO QRP ENTHUSIASTS

SOLID-STATE QRP PROJECTS by Edward M. Noll, W3FQJ. The great expense to which many radio amateurs have gone to operate ham radio stations has brought considerable criticism to the art. Now, a formerly unpopular ham operation, QRP, has become one of the fastest growing trends largely because it means a return to "home brewing", and economical operation.

SOLID-STATE QRP PROJECTS encourage this activity which already has spread into a world-wide chain of clubs and networks. The topics covered here are, for the most part, QRP projects — another way of saying amateur operations with very, very little power.

The units covered have power ratings from less than 100 milliwatts up to about 20 watts. A variety of solid-state oscillators, both crystal-controlled and vfo, are explained. Multi-stage cw transmitters can be constructed using the included data, permitting a bit more power and additional versatility. Both a-m and sideband circuits are presented.

No extensive knowledge of electronics is required but a good deal of operating skill must be developed to utilize the equipment efficiently. The serious experimenter will find in this book many hours of pure enjoyment.

SOLID-STATE QRP PROJECTS, Catalog No. 24024 Size: 128 pages, 5½" x 8½", softbound. List Price: \$4.25 (\$5.10 in Canada) Howard W. Sams & Co., Inc., 4300 W. 62nd Street, Indianapolis, Indiana 46268.



RECENTLY RETIRED FROM FAA, E. K. Shinn, W4BIC of Port St. Lucie checks in the FAA Net, Sundays 9:45 a.m. on 7260 kHz. EK spent a trick in JA Land and brought the complete line. He was also yr eds boss back in the late '40s. If you don't think he hasn't been around look at his EX-CALLS on page one of the Jan. issue. (SKIP Photo)



THE HOLLYWOOD ARC set-up a station at the First National Bank lobby and handled G.I. Christmas traffic from Dec. 7 thru 11th. Response: Good. Most traffic was routed thru MARS circuits. WB4LAX is on the 2 meter FM link and WB4SUQ (seated) holds down the sideband station. Good show chaps. (Photo via WB4CKV)

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FLORIDA PHONE TRAFFIC NET

By Case, W4NLR

I would like to take this opportunity to thank all of the members of the Florida Phone Traffic Net and those other stations who called in, this past year, for making 1970 a very successful year. We didn't set the world afire with more QRL and QTC like some of the other Florida nets but we were in there doing our part. We held 312 sessions for the year and handled 1031 formal messages and numerous informal messages.

I'm proud to say that we have as fine a group of net control stations as can be found in any net. We have an equal fine group of stations that contribute regularly to the distributions and relaying of messages into and out of the state and can even boast of an outlet into South America. Our peak month of attendance seemed to be in March, April and May and the low months were September, October and November. Peak month for messages handled were April and July. A few new stations joined our ranks. Some left.

On behalf of the net I sincerely invite you to join us at the early morning hour of 7:00 AM on 3940 KHz, Monday through Saturday. We will only keep you for no more than 15 or 20 minutes and would enjoy your company. Best 73 for the new year!

FLORIDA FAANET

By George Cooper W4EHL

K1EEL Si, Selected as secretary-treasurer for a FAA flower fund. Contributions of two dollars is requested. Please send check or money order payable to Mr. Farrah Simmons, 1022 John Anderson Dr., Ormond Beach, Fla. 32074.

W4LIU-MM Blair Pearson aboard the

hacker SS THALIA bound for Bombay with stops at Antigua then South Africa on to Bombay India. Look for Blair on 2145KHz. -- Bon-voyage Blair.

WB4AHR Len Ballard borne from a nice trip to the West Indies. Len stopped by the famous DX'er, KV4AA, Dick Spenceley for an eye-ball QSO.

W4JVA, Paul Colby... Paul has his new FTDX 560 and sounds great. Paul's FAA net at 1445GMT 7260KHz appears to be getting larger with the following list of very welcome new check-ins.

W4AUL, John Ellis, from the Florence, S.C. flight service station. John is an avid DX man with many awards to his credit. (NOTE TO W4GU, Jim Mayberry, Miami 1PSS, W4AUL, John, passes along his 73).

W4PAD, Ed Kiar, from Tampa. Ed has many friends in the FAA. Ed is the only SWAN franchised dealer in Tampa and this is an unsolicited recommendation from your FAA editor (See Ed's AD elsewhere in FLORIDA SKIP).

W4ZNG, Jack Brezee, from Tarpon Springs. Jack checked in 6th Dec. 1970 after a long absence from the net. Welcome home, Jack.

W4IYT, Andy Clark, from Miami Springs (Editor Florida Skip). Andy with many friends in the FAA and at one time a member of K.E. Shino's old glide station WBR. Andy checked in 10 Dec. 1970 and it is sincerely hoped Andy will check in often.

WB4SDI, Henry Mount, from Miami. Henry as air traffic controller for many years and one of the best in the business is indeed a welcome addition to the FAA net.

WB4EXD, Jake, from Miami. Jake is from the Kansas City region of the FAA. I didn't get Jake's last name but will report it in next issue of FLORIDA SKIP. Welcome aboard, Jake.

W4ENL, operating from Daleville, Ala. is "EM" Emerson Mehrling Home QTH Fairfax, Va. Em is visiting his grandchildren, Scott and Judy in Ala. and by the time this goes to press Em should be home. Welcome aboard, Em, and I will be talking to you on our early morning aled.

FLORIDA MIDDAY TRAFFIC NET

By Herb, W4LSR

We deeply regret to report the passing of Doc, W4UJX who became a silent key. Those of us who talked to Doc (mostly while he was mobbing) will miss him and his humorous and salty comments.

Our roster increased during December by the addition of Joe, WB0BAA 4 in Atlanta. Ron, WB4QKR in Key West and Bill, WB4DUH in West Palm Beach. Welcome to our World. Randy, WB4FGW 4 in Tallahassee has rearranged his classes at the University to enable him to meet the net every day. This is great for our west coast connections.

This column has mentioned the need to lighten up our net operation. The response has been noticeably good. But we still have the problem of the new or occasional check-ins who answer the NCS request for "call letters only" by following this with his name, QTH, and traffic. Dick, K4LEC simply adds the words "don't say anything else, you may cover someone else up." This seems to do the trick without hurting anyone's feelings. Anyone have any other ideas?

The FMTN held 27 sessions in December. With 374 stations handling 433 items. Average stations 34. Average traffic 16.

THE QFN REPORT

By Dan Franklin, K4EHY

Net Manager, Bob, K4EXX, reports that 1970 must have been our greatest year in traffic, service and participation. Regular net assignments have been filled with a record number of different stations holding NCS and NTS Rep spots, while liaison to SSB nets have been very reliable. Representation of Florida cities is very good except for the perhandle, the Keys, and south center around Lake Okeechobee. W4GDH, Doc, is working on a project to show our representation and coverage.

W4ILE, Reg, reports that there are still Florida Roaming Guides available from him at a buck apiece, post paid. These are worthwhile for the operating desk, for any active Florida amateur.

QFNers are urged to support the Novena Hurricane Net, to help in training and to recruit new ops into cw net operating. WB4PKP, WN40NC and WB40AA have been active in NBN lately, doing the lion's share of work.

W4ILE, during vacations, has closed in upon the 5 Band WAS, W4QDS, Dale, our Southeastern ARRL Director, and avid DXer, has been a faithful face on QFN. KILAN, Lou, has been patiently subjugating a new keyer. K4FAC, Jack, and W4AQVT, Ron, have been active as NCS's on RNS, 8R1Y, Des, is vacationing around the state after the Hurricane. K4EXX, Bob, is plagued with a second harmonic. Her name is Brooke. W4FRN - ex W4UOZ, Ed,

has returned from three land and is at the University of Florida. Maybe he will be on the air soon. WB4OMG, Buddy, has been very active in traffic, making BPL and holding down an EAN spot. While W4DFU and K4HQX have added expedition traffic to the system, regular traffic slackened off after Christmas. W4INBT, Winky, has returned to the net after long absence; and a new face on the net is Craig, WB4LAA, in Miami. W4ARV, Gordon, in Miami is also back with us too, however he is working shd(!) work with those attendant changing hours.

GATOR NET

By Ev, W4IA

Who is the Gator Net? Who makes it tick? This month we want to identify the principal stations making up GN during 1970. There were 303 sessions during the year. W4EHW led the pack with a 35 percent attendance record — 353 QNT's! Following him, and each with better than 50 percent QNT's for the year were W4IA 280; W4DVO 264; W4YTPX 233; WB4AIW 208; and W4SCK 182. With better than 30 percent QNT's each were W4BMA 138; W4RHA 132; K4FQP 127; K4GJ 126; K4JWM 121; K4SJD 119; and K4KO 117. Also giving the net strong support were WB4HJW 97, W4ILE 83; W4COO 81; WB4HEP 78; W4ALH 78; W4JJK 74; K4EHY 57; W4IYT 51; W4BC 48; 8R1Y W4 34; W4ZHG 32; and K4NV 30.

In addition to the hard-core of GN enumerated above, 54 additional Florida stations reported in during 1970. Performing the important function of Net Control Station during the year were WB4AIW, K4COO, W4DVO, W4EHW, K4EHY, K4FQP, WB4HJW, W4ALH, K4JWM, W4SCK, K4SJD, W4YTPX, and 8R1Y W4.

TOP TWENTY TRAFFIC TAKERS

Net	QNT	Avg. QNT	QTC	Avg. QTC	Sessions
FMTN	974	36	433	16	27
QFN	929	15	704	11.4	62
GN	351	11.3	330	10.6	31
FAST	886	33.4	236	9.1	26
FPTN	454	17.5	138	5.3	26
TPTN	591	15.0	76	2.4	27
NHN	22	5.5	3	1.0	4
WFPN	415	—	44	—	31

TRAFFIC HOUNDS

1. W4CUL 4	3650	11. W4SDR	154
2. WB4AIW	720	12. W4A1ZZ	124
3. W3VR-4	701	13. K4JWM	124
4. WB4OMG	564	14. W4ILE	121
5. W49QVT 4	431	15. W4BNE	100
6. W4A1JH	392	16. WB4LAA	99
7. W4FPC	366	17. 8R1Y W4	91
8. W4DVO	263	18. WB4HJW	78
9. K4FAC	235	19. WB4IER	76
10. WB4SMA	229	20. W4EHW	75

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SIMPLICITY

An inverted cake pan, two bee-hive insulators, a coil of quarter inch copper tubing, a 45 tube and a 22.5 volt B battery. That was the transmitter used in a QSO party some 30 years ago. It worked 38 states and all districts over the week-end of the party.

I always looked forward to the QSO parties in those days. I'd always try to have a new rig or antenna and this concentrated activity gave a fellow a fine chance to try it out.

I used this same rig with an SW3 power unit in lieu of a big old ET3666 RCA transmitter in some military service during the Army Air Mail fiasco in 1934. I could keep schedules and clear traffic with the few watts just as well as the big rig with several hundred.

In spite of our sophisticated

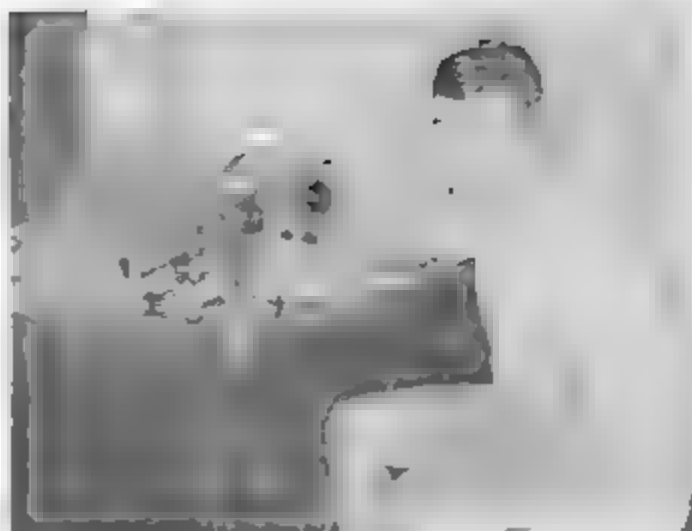
SILENT KEYS

We regret to announce the passing of the following Florida amateurs.

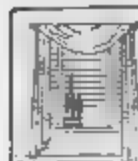
W4TY — Bob Fenimore — St. Petersburg
K4CUP — Howard Whiteside — Tarpon Springs
W44UJX — Doc Putnam — Keystone Heights
W4JJJ — William Graves — Davant, Miami
W4RBE — J. Robert Matzinger — Winter Park
W4JGM — E. M. Quimby — Bradenton.
W4BD — Willard A. Van Hefningen — Merritt Island.

ideas of the state of the art I believe I could still put that rig back on the air and it would sound better than the majority of what is now heard.

Onyx



BILL, WB4OUH OF WPB took time out for this photo while operating VP9DX during the CQ WW DX contest Oct. 24th & 25th. BUI reports "Our TEMPO ONE got a real work-out and held up very well under the rough DXing grind." See VP9DX TRIP Jan. issue for details. (Photo via WB4OUH)



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EARLY LIFE OF MORSE

PART I

Samuel Finley Breese Morse was born April 27, 1791 at Charlestown, Mass. His father was the Rev. Jedediah Morse, a militant orthodox clergyman, an author and a publisher. His mother was the granddaughter of Dr. Samuel Finley, one of the early presidents of Princeton University.

Morse entered Yale at the age of 14 and helped support himself by painting portraits of faculty members and students on ivory for \$5 apiece. It was at Yale that Morse first became acquainted with electricity, and dabbled with minor electrical experiments.

Upon his graduation from Yale in 1810, Morse persuaded his father to send him to London to study art. He gained fame in 1813 when a clay model he created for a painting to be known as "The Dying Hercules" won the gold medal at the Society of Arts Exhibition in London. When he exhibited the painting later, it was ranked among the first 12 of 2000 entered in a Royal Academy exhibition.

FINANCIAL REVERSES

Financial reverses, which plagued him for the next 30 years, forced Morse to drop his work in London and return home in 1816. He toured New England painting portraits for \$15 apiece but found little patronage. Through his father's help, he went to Charleston, South Carolina, a social and cultural center, and rapidly gained fame there as a portrait painter, receiving commissions from most of the leading families. One of his portraits, a picture of President James Monroe, hangs today in the Rose Room of the White House.

Morse returned to New England in 1819 to marry Miss Lucretia P. Walker, of Concord, New Hampshire. He took his bride to Charleston, where they resided for three years. Then he went to New York City and opened a studio. He obtained a commission from the City of New York to do the full-length painting of General Lafayette which now hangs in the City Hall.

General Lafayette sat for Morse in The White House at Washington, and while Morse

was at work on this picture his wife died in New Haven. The slowness of communication in the world was brought forcibly to Morse's attention then, because it was seven days after his wife's funeral that he received word of her death.

The Lafayette portrait catapulted Morse to the top of the painting fraternity in America. He gained recognition as one of the first ranking American painters. In 1829 he went to Europe to continue his art studies, and devoted three years to painting in the famous galleries there.

BIRTH OF

DOT-AND-DASH IDEA

Morse's electro-magnetic telegraph idea was conceived in 1832, when he was returning from Europe on the packet sailing ship Sully. A group of men were gathered in the dining salon. Dr. Charles T. Jackson, of Boston, began discussing the electro-magnet which had recently been invented, and was saying —

"It consists of a piece of iron bent in the shape of a horseshoe and wound with wire. When an electric current is sent through the wire, the magnet will pick

up a small bar of iron. Electricity travels instantly through the entire length of wire, and causes the magnet to act."

When Dr. Jackson said electricity could be made to go over many miles of wire almost instantaneously, Morse exclaimed

"If the presence of electricity can be made visible in any part of the circuit, I see no reason why intelligence may not be transmitted instantaneously by electricity."

Morse quit the discussion to pace the spray-soaked deck of the packet, and think. He jotted down his thoughts in his artist's sketch book. These early drawings and notes are now in Washington, D.C. Morse reasoned that, if he could interrupt electric current as it traveled over wires, he could create a series of signals, which could be recorded miles away and almost instantly. This was the beginning of the Morse code of dots and dashes.

Upon his return to New York, he had to devote his time to painting for his living for the next three years. In 1835, he began work as Professor of the Literature of Arts of Design of

New York University, and was provided with quarters in the university's building on Washington Square. During that winter he built his first telegraph instruments.

By September, 1837, the artist-inventor had perfected his crude instruments to a point where he was ready to demonstrate the invention to his friends. He stretched 1700 feet of wire around his room at New York University, placed his sending instrument at one end, and the receiving mechanism at the other. His signals flashed instantly from one instrument to the other.

Morse's friends were impressed by this test, and Alfred Vail of Morristown, N.J. thought enough of the idea to try to find a financial sponsor.

Vail convinced his father, Judge Stephen Vail, owner of the Speedwell Iron Works, Morristown, of the worth of Morse's idea, and the father consented to advance \$2,000 and machine shop facilities to build a set of telegraph instruments of sound design and workmanship.

Morse and Vail retired to the Speedwell works at Morristown to work on the job. Professor Leonard O. Gale, one of the group who attended the original experiment at New York University, went frequently to Morristown to aid the two men.

A greatly improved set of instruments was manufactured, three miles of wire was stretched around the Morristown factory, and on January 8, 1838, the three were ready to prove to Judge Vail that he had not wasted his money.



JUST COMPLETING HIS term as Pres. of the Fla. SSB Assn. is John Coffing, K4NKA of Stuart. John is also newly appointed ARRL Emergency Coordinator for Martin county and requests all amateurs contact him for SET info and sign up in the AREC. Phone 287-7996 (SKIP Photo)

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Florida SKIP DIRECTORY

Each month you will find the following listings. Keep it handy ARRL Officials are listed free. Florida Nets are listed free up on notification from net manager. Clubs listed for \$12.00 per year. (Free to clubs taking box ads elsewhere). Any individual may be listed for \$5.00 a year. (The ones who really care.) Let's fill up this page!

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323 Elliott Rd., S.E.
Ft. Walton Beach, Fla. 32548

SEC East Florida
ANDY CLARK, W4JYT
41 Lenape Drive
Miami Springs, Fla. 33166

SEC West Florida
G.D. McKECHNIE, W4IKB
527 S. 4th St.
Chapley, Florida 32428

Asst. SEC East Florida
KEN STEWART, W6NKR
2207 Maple Ave.
Ft. Myers, Fla. 33901

NET LISTINGS
QFN (All Florida)
7:00 p.m., and
1000 p.m. ke. daily 3651 ke.
FAA Sun. 9:45 a.m. 7360 ke.

FSBA Sundays
5 p.m. on 3940 ke.

FSBEN Wednesday
7:30 p.m. on 3940 ke.

KNIGHTS OF KILOCYCLE,
Sundays
7:30 a.m. on 3910 ke.

STATE QCWA NET
Mon. Sunday 7254 KC.

MOONPORT MICROWAVE
ASSOCIATION NET
Sundays at 3100 EST
Frequency 145.5 mhz

GATOR NET (GN)
Daily 8:30 a.m. on 7115 ke.

TROPICAL PHONE TRAFFIC
NET (TPTN) Daily except Sun.
5 p.m. on 3940 ke.

FLA. AMATEUR SIDEBAND
TRAFFIC NET
(FAST) Daily except Sat.
6 p.m. on 3940 ke.

WEST FLORIDA PHONE NET
(WFPN)
5 p.m. on 3957 ke. (2300Z)

FLA. PHONE TRAFFIC
NET Mon. thru Sat.
7 a.m. on 3940 ke.

FLA. MIDDAY TRAFFIC NET
Daily except Sun. at 12 noon
On 7154 ke.

NOVICE HURRICANE NET
(NHN) Sat. & Sun.
2:30 p.m. on 7165 ke.

GOLD COAST EMERGENCY NET
6 Mhz. 50.445 mc Mon 3000 local
2 Mhz. 145.33 mc Tues. 2000 local

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20.044 a.m.

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Ft. Lauderdale, Fla. 33310 More info. call
523-1517, 564-1277

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Museum of Science 8 p.m.
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Biscayne Annex
Miami, Florida 33132

ST. PETERSBURG AMATEUR
RADIO CLUB, Inc. W4GAC
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Azalea Community Center
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Mailing Address: P.O. Box 4026
For information phone:
365-0464 or 825-4294

ORLANDO AMATEUR RADIO
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1400Z on 3933 Tues. and
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GAINESVILLE AMATEUR RADIO
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8:00 p.m. Alechua CD Headquarters
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Gainesville, Fla. 32601

TAMPA AMATEUR RADIO
CLUB, INC. W4DUG
Meetings: 1st & 3rd Mondays
7:30 p.m.
Club House: Davis Islands,
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Tampa, Fla. 33603

SARASOTA AMATEUR RADIO
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At Sarasota Federal (S. Gate Branch)
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WEST PALM BEACH AMATEUR
RADIO CLUB, INC.
P.O. Box 6834
Southshore Station
West Palm Beach, Florida 33405
Meetings: First Wednesday of each month
— 7:30 P.M.
803 Newark Street
West Palm Beach, Florida 33401
Information: Call 833-0775, 563-2237

MIAMI AMATEUR RADIO CLUB,
2nd Wed. of month, 8:00 P.M. W4VMT
Village of Miami Shores Courtroom
10050 N.E. 2nd Ave.
Mailing Address: P.O. Box 305
Miami Shores, Fla. 33153

DAYTONA BEACH AMATEUR RADIO
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Daytona Beach, Fla. 32225

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Lake Worth, Fla. 33450
Phone: 582-9776

HOLLYWOOD AMATEUR RADIO CLUB,
3rd Monday of month at 8 p.m.
Science Lab, Chamblaine High School,
31st Ave. and Johnson St., Hollywood
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Hollywood, FL 33021
Visitors always welcome.

FORT MYERS AMATEUR RADIO CLUB
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Sec: 193 Meta St., Fort Myers, Fla. 33605
894-3464

SOUTH MIAMI RADIO CLUB, INC.
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PERSONAL LISTING
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P.O. Box 1602, Hialeah, Fla. 33011 "Get
someone to subscribe to SKIP."

1750 METERS

By Jim Hagan, WA4GHK

Most amateurs have probably not heard of the 1750 meter band. This is a thirty kHz section of the longwave band between 160 and 190 kHz. Operation on this band is permitted under little known Part 15.203 of the FCC regulations. The restrictions imposed under this part are severe: maximum antenna length is fifty feet, and maximum DC input power is ONE watt. Operation is not impossible however.

To date, two way contacts have been made over paths of fifty and 100 miles by stations here in Florida and another group in the New York area. Signals have been received at 200 miles one-way.

Florida stations participating in the 1750 meter experiment are:

K4NTD — Windermere, Fla.
WA4GHK — Palm Bay, Fla.

This winter, an attempt is being made to span the distance between Central Florida and New Jersey on 1750M. To monitor band conditions, WA4GHK is operating a beacon on 166.25 KHz. The beacon is identified by the call GHK in CW. Operation is planned on a daily schedule from 4:30 pm to 11:30 pm.

For best results over long distances, receivers having bandwidths of approximately 200 Hz are desirable. Best operation will be achieved with battery supplies in quiet locations.

Reception reports will be appreciated and acknowledged. They should be sent to Jim Hagan, WA4GHK, 896 Port Malabar Blvd., Palm Bay, Fla., 32901., or any other participating station.

(from PC Bulletin — W4CII)

FM ON TENTOO

By Jerry Green K4UBR

Hidden high up on the seldom used end of the Ten Meter Band is one of the most interesting and potentially useful types of hamming on the bands today. It has been the mode of communications for a few hardy souls, like WOZWN of St. Louis and W1BKI of Middletown, Conn. for many years but now after all these years of talking it up to their fellow hams, the advantages, the fun and the versatility of Ten meters FM is starting to take hold as many new Hams (like yours truly) find a rig that covers the frequency and have joined in the activity on 29.6Mhz FM.

From Maine to Seattle and to the sunny shores of the Gulf, FM stations put forth daily on 29.6 Mhz, always monitoring the waiting for a band opening. In about two weeks of occasional operating I have qso'd 17 states and heard many more I could not work. I use a Motorola 41 B (Base station, if you will pardon the CB type comment) modified to take a 6145B in the final amp which gives about 25 Watts out (was 10W before) to a Happy Accident ground plane vertical (1/4 wave) at 55 feet above ground. My signal reports have been consistently "full quieting" (That's FM talk for Sx5) and many qso's over several hours have been enjoyed while the low end of the band had no activity whatsoever. I was quite surprised to find that band openings on ten occur almost daily and I have attributed this to the fact that all stations are on the same channel with squelched receivers on continuously. Short skip occurs often enough and consistently enough to depend on for schedules and traffic handling. Many local emergency nets operate on this channel (29.6 Mhz) but there are no regional or national nets or activities established as yet.

The deluge of surplus commercial FM transceivers capable of operation on Ten has been largely overlooked by the amateurs but the same units that go up on Six Meters may also (in most cases) be put down on ten. These low band FM units are not in large demand so that prices have remained relatively low with 25 to 30 dollars being the standard price for a useable 10 W mobile unit in fair shape with a mike attached and a speaker built in.



THE GROUP OF YLs that attended SPARCYS Xmas Party at QTH of W4WPD, Tampa. Six Charter members of Floridans are in the picture. They are: Left to Right — Front Row: K4WXS - Lee Kasarian, W4WPD - Shirley HBI (Charter), K4LFA - Dot Davidson (Charter), W4GPX - Ruth Smith, W4BAV - Cathy Sochl (Charter), Back Row: W4KOH - Ernestine McMasters (Charter), W4PEL - Charlotte Frazier, W4BIL - Frances Foley (Charter), W4IUR - Mim Cook (Charter), W44YNX - Alma Burton, W4FVN - Nellie Van Voorhis, K4NSY - Madlyn Hutchins, K4RCQ - Elsie Ruble. (Photo: W4BCZ)

Just buy the correct xtals for 29.6 Mhz, retune the receiver front end, tune up the transmitter to the new frequency, hook up the antenna (vertical preferred but not the only thing that will work) and you are ready to call "CQ 10 FM".

Frank Cerny, K9VVL, of Chicago, Ill. forwarded to me a list of the recommended FM frequencies on Ten Meters when I asked about other FM frequencies to use on that band. The list serves as an excellent guide for not only ten but for six and two also. The National Calling frequency, NCF, of 29.6 Mhz is currently the only FM frequency in use but other channels are planned on 29.63 and 29.64 Mhz as activity increases and interference reaches an impossible level on the single available channel. Since ten meters depends on skip conditions it is normally open to only a small portion of the US at any one given time so that I have been able to have an almost quiet frequency during all qso's to date.

Repeaters on Ten FM are in use also but they are not as widespread as on 6 and 2 nor are they needed since space wave is generally better on this frequency with base to mobile distance possible out to many miles beyond that achieved on the high bands. Ten Meter FM repeaters are of the in band variety with input normally on 29.450 Mhz and output on the

NCF of 29.6Mhz. Unless you are in an area that has an open and available repeater it is best to plan on operation on the NCF, 29.6 and expand to other frequencies after your equipment is operational. These reported repeaters have not been heard here in NW Fla but their presence and their potential pose a very interesting future for this fascinating mode of communications on a very fine band. See Y'all on 10.

Suggested Amateur FM Operating Frequencies on Ten Meters

29.040	29.080
29.120	29.160
29.200	29.240
29.280	29.320
29.360	29.400
29.440	29.480+
29.520+	29.560+
29.600+ NCF	29.640-
29.680-	

NOTES:

- + within RACES band for WideBand or Narrow Band FM use
- within RACES Band for Narrow Band FM use only
- alternate FM channel in use in some areas
- NCF National Calling Frequency

E.C.'s ... HAVE YOU
SENT IN YOUR SET
AND
ANNUAL EC REPORT?

EMERGENCY???

By W4OVE Net Mgr. FSBEN

What constitutes an EMERGENCY? This question has been pondered many a time, but was brought out more in the open one evening when a generator at the Cutler Ridge Plant of Florida Power & Light blew up, and subsequently threw overloads on the various circuits until the area from Ft. Lauderdale to Homestead found themselves without power!

At the same time one of the worst thunder and lightning storms hit the Southeast Florida Area and considerably worsened the whole situation. The latter put telephones out of order in several areas. That is a capulated appraisal of conditions at the time mentioned above.

The FAST Net was in operation at 3840, when a mobile called in, W4JBY Mobile Ft. Lauderdale, reported the situation to the FAST NET, W4SMK, Ft. Myers called the local AP and asked for information and was informed of the Generator failure. W4OVE Mobile discussing it, and decided to put the net on temporary alert until more information was received. Both SMK and OVE tried - unsuccessfully to reach Andy, W4IYT for an assessment of the situation in Miami.

Net control tried to reach a station in other areas that might possibly be on emergency power, or mobile, but no luck. Finally about an hour later, W4GM, Okeechobee, broke in and then tried MARS (Army) and sure enough there was a station, K4EBG, in Miami, operating on emergency power, who was able to get a message into W4IYT, at about the time W44PWF Mobile Miami checked in and reported that lights were beginning to come back in some areas.

Others checking in the net were W4PUV, K4EOZ, K4DD, W4FCB, W4RQR, W4IGFU, K4JJZ, W4RQR, W4RGO, W4IYT, and W4IAG. Special commendation goes to W4JBY and W44PWF for going Mobile to help in an emergency.

No, we were not needed this time — THIS TIME! But it brings up the opening statement. What constitutes an Emergency??

Many times occasions demand the prompt action of

(Continued on Page 16)

HAMBAR

HAMBAR services of radio equipment ONLY will be available to all our subscribers, amateurs or non-amateur, at a rate of 25 cents or more for five (5) lines and 5 cents a word thereafter. There are approximately seven words to a line. Return ads must be resubmitted each month. NO dollar for 4 runs, etc.

Non-subscribers rate is \$1.00 for 5 lines and 5 cents each additional word.

To Commercial Business: Classified, undisplayed — 50 cents per line; Illustrative or General Display with border — \$3.50 min., \$40 page; Initial cost of cuts, additional. Cuts furnished, no charge. Deadline 10th of month.

An Advertising inch is measured 1/4" vertically on one column, i.e., 4 columns — 40 column inches to a page. Rate card by column inch supplied upon request. **FLORIDA SKIP**, Advertising Department, P.O. Box 501, Miami Springs, Fla.

WANTED: Variac, make offer. Jim Davis, WB4PHS, 5150 NE 18th Ave., Ft. Lauderdale, Fla., 33306. Phone 771-3478.

FOR SALE: Swan Cygnat 260, one year old, perfect, 12 volt-115 volt, transceiver. Will run schedule if desired, \$300 very firm. Reid Martin, W4VDY, Rt. 1, Box 148, Tavares, Fla., 32778. Phone 904-343-4122.

WANTED: Vitroplex Key "original," crystal calibrator unit for Mars, a vox control unit, an external VFO all to be used on a Swan 500CX. Harold Babjohn, WB4AQV, 1389 Tangier Way, Sarasota, Fla., 33579. Phone 984-8253.

FOR SALE: Ameco FT-preamp six to 100 meters for use with a transceiver. Really great for ten or 15 meters. Like new. \$40. **WANTED:** Accessory console DAC-25 for Galaxy equipment. Don Lynn W4SVS, 311 Dos Sol, Melbourne, Fla., 32903. Phone 733-3596.

FOR SALE: Model 15 TTY and homebuilt converter for \$75. E.T. Wilder, WB4AIG, 444 Nottingham, Apt. 2, W. Palm Beach, Fla., 33405.

FOR SALE: Heath Twer with mike, xtal, and manual, excellent condition, \$30. Heath DX-80B superb condition with manual \$60. Heath HG-10 VFO, \$22.50. Regis K. Kramer, W4LE, 190 NE 70th St., Miami, Fla., 33138. Phone 758-0882.

FOR SALE: Apache TX-1 transmitter. Excellent novice or 10-meter gear. \$75. Ted Tiemeyer, WA4VBM, 15720 SW 76th Ave., Miami, Fla., 33157. Phone 235-4444.

FOR SALE: Hallicrafter SX-140, six-40 meter rcvr. \$65. BC342N rcvr, 1.5 18mb, \$35, or best offer. Want patch, grid dip, paddle key. Dick Keller, WB9CEH-4, 4401 7th Ave. No., St. Petersburg, Fla., 33713. Phone 898-4467.

FOR SALE: RCA FM carfone sixty watts tuned for 52.525 mc. In good condition with manual supplied. 12 volts with dynamo supply, \$48. James E. Brooks, WA4BEV, 724 Stillwater Dr., Valdosta, Ga., 31801. Tel. 912-242-1080.

WANTED: Any working or repairable NCX-D mobile power supply for NCX-3 transceiver. Direct any reasonable offers to Karl Steene, WA4ORC, Box 1403, Boca Raton, Fla., 33433. Tel. 305-391-5085.

FOR SALE: New Hallicrafter HY-41 transmitter, original carton, never used \$250.00. Bill Neidinger, WB4EGD, 1924 Ashland Dr., Clearwater, FL 33515 phone 733-4655.

FOR SALE: Heath DX-60B transmitter, downkey relay, 3N voice crystals, Ameco code practice oscillator-CW manual, Hy-Gain 14-AVQ 10-10 meter vertical and Johnson hand key, all for only \$80.00 or best offer. Heath HG-10B VFO \$32.00. Hallicrafter SX-111 amateur band only receiver and speaker \$115.00 all for \$215.00. Ed Rittenberry, WB4JLB, 3423 Thornhill Dr., Jacksonville, FL. Phone 744-1773.

FOR SALE: Regency HR-2 and Antenna Specialists ASP-177 or ASP-405. \$239.00 plus tax — prepaid. 12VDC SPST miniature relays — 3 for \$1.00. 500 ohm 10 watt wirebound resistors — 5 for \$1.00. R&C ELECTRONICS, Inc. WB4LYK, 616 Raceback Rd., Ft. Walton Beach, FL 32544 Phone 904-242-8214.

FOR SALE: HA-11 Heath Linear with AC supply \$150.00. HW-12 Xcvt \$65.00. G-63 80-c receiver \$60.00. Valiant \$65.00. 80-10 xmt \$10.00. WANT General coverage rcvr. James L. Valin, 1790 Palm St., Winzer Park, FL 32789. Phone 686-2319.

FOR SALE: Motorola PMTHU41V34, 94 REC. ready to go. \$108.00. AC Motorola 41V34, W XMT in REC. \$100.00. Motorola 3Y, Wx Motorola AC P S \$75.00. Motorola D43GGV, on 94, \$100.00. GE Pre-Prog. Homemade transistor P S on 94, \$50.00. Randy Cousman W4UXM, P.O. Box 294, Shalimar, FL 32579 Phone 904-651-1296.

FOR SALE: Mosley TA-36 six element beam with 40 meter conversion kit TA40KR. In excellent condition. Have it assembled for inspection \$120.00. William McCoy W4ZTK, 279 N.W. 105th St., Miami, FL 33150 Phone 751-4283.

FOR SALE: SX-190 general coverage receiver very clean \$85.00. Ameco 2 and 6 meter transceiver model TX-42 excellent condition \$85.00. Manuals with both. G. D. McKechnie W4IKR, P.O. Box 543, Chipley, FL 32428.

FOR SALE: Sonar BN-21 linear amplifier, 117 v.a.c. 25-50 Mhz, AM or FM, four 6JB's in grounded grid with manual \$90.00. WILL NOT SHIP. R. Davidson, WB4OAC, P.O. Box 587, Wildwood, FL 32785 Phone 748-1183.

FOR SALE: Collins 31J3 (R-399 URE) receiver, Collins 31B-4 console, Autronic keyer and key, Palomar Engineers-keyer, Heath HW-32A and HP-23 power and mike. Sony TC-311TS photo sync recorder, Elmac and other tubes. Rex Bassett W6QS, P.O. Box 4163, Ft. Lauderdale, FL 33304 Phone 305-564-6729.

FOR SALE: Complete AM station. HQ-110-A VHF, excellent \$159.00. Eico 730 xmt \$45.00 and 730 modulator \$39.00. VF-1 VFO with supply \$17.00. Hear it on the air by appointment. Test equipment, all like new: Lampkin 105-B freq meter \$199.00. Heath IG-82 sine square \$49.00. 1G-42 lab sig. gen. \$49.00. Knight KG-690 sig. tracer \$25.00. KG-660 Battery eliminator \$25.00. Bill Dunham, W4THS, 2394 Floyd St., Sarasota, FL 33570 Phone 813-558-0594.

FOR SALE: Johnson Valiant II with SSB adapter. Working like new, less mike. T. St. Peterson, W60BBS, 2115 St. John Ave., Palatka, FL 32077.

FOR SALE: 2 meter transceiver 14 Mc. input, 5804 final complete with power supply \$30.00. Gonset 2M communications \$30.00. **WANTED:** Elmac rcvr or Xmt for parts. SWAN tri-band or single band transceiver. Need for mobile marine. Russ Olmsted, K4UJZ, 1548 N.W. 15th Ave., Ft. Lauderdale, FL 33311.

SELL: COLLINS 758-1, 328-1, AC supply, and S-line speaker. Complete with all cables and manuals. \$650.00. Have 3 Aerotron 600 high band FM units suitable for 2 meter FM work, 15 watts output, working condition \$85.00 each. Zack Bruce WA4TJS, P.O. Box 329, Lake Wales, FL 33853.

FOR SALE: SWAN 250 with 117XC and 14-117 power supply. Shure 444 mike. 73 meter Nu-tonics resonator, deck mount \$325.00 Collins Dummy load \$35.00. Hy-Gain 14AVS \$15.00 SWAN Univerler 300XL power supply \$60.00. Ray Newman K2BQ, 4 Blackwell Villa, P.O. Box 133, Babson Park, FL 33837 Phone 813-438-1236.

FOR SALE: Hammarlund HQ-180C, \$250. Hallicrafter SX117 plus HA10 LF-342 tuner \$260. Johnson 6N2, 6N3 VFO, Eico 730 modulator, heavy duty power supply for 6N2, all for \$100. Above kept in perfect condition by retired electronics engineer. Hustler 4BTV verticle with ground rod, never used, \$30. M.D. Brill, K4ETW, 607 Queens Loop North, Lakeland, Fla., 33803.

FOR SALE: Ameco six meter converter CN-50W (mint) 28 mc IF with PS-1 used but good, both \$50. **WANTED:** Cash for transceiver with or without mobile supply. Full details, best cash price first letter. Antique Gear Collectors: New copies of Greenwood Pictorial Album of Wireless and Radio, 1905-1928. \$1.00 postpaid. George Haymans, W4NED, Box 468, Gainesville, Ga. 30601.

FOR SALE: 40 foot telescoping mast (5-10 foot sections) hardware for guys and clamps. You pick up & make offer. Peter J. Stevenson, W4DUL, 11346 SW 172nd St. (Perrine area), Miami, Fla. 33157.

SELL: FM gear. Motorola 43G, 39 watt 110 v.a.c., 2 channel transceiver on 146.5-76, and 84 \$190.00 or best cash offer. 635 voice Commander, as is, asking \$110.00. FOB. 1 Hyband Walkie Talkies unconverted \$30.00 each or pair \$50.00. John Fearon, 3384 Peachtree Rd., Suite 706, Atlanta, Ga. 30326, W4WKP.

FOR SALE: HQ-178 receiver, valiant II with SSB adapter. All in excellent condition. Total price \$350.00 or will sell receiver and transmitter separately. Don Fischer, WA4CJG, 4622 Beach Park Dr., Tampa, FL 33609 Phone 377-6216.

SELL: SB-401 less than 1 year old, manual \$250.00 or best cash offer. HDPTA mike \$20.00. CW filter \$250.00, \$15.00. Hustler 4BTV trap verticle with 80 meter resonator, asking \$35.00. John Fearon, W4WKP, 3384 Peachtree Rd., Suite 706, Atlanta, Ga. 30326.

FOR SALE: Components for: by KW power supplies, variacs, OL, TD, and control relays, KW linear parts, complete assembly for 4-1000 linear including tube. Also wide selection of PC cards. J. H. Waldmuth, K4KY, 941 Country Club Circle, Ft. Lauderdale, Fla., 33314. Phone 583-0631.

FOR SALE: Heath SB-390, good condition, \$300. Fred Barton, W4ZKZ, 7725 NE 8th Ave., Miami, Fla., 33138.

FOR SALE: Collins 31B-3 VFO, phone patch, control panel unit. Mint condition, \$219. C.R. Knowlton, W4RQE, 200 SE 26th Ave., Pompano Beach, Fla. Phone 941-1719.

FOR SALE: Viking II transmitter, \$60. BC221AK frequency meter \$50. Both in good shape. John Porter W4KGJ, 8800 SW 51 St., Miami, Fla., 33155. Phone 566-2684.

QSOs EN ESPANOL presents essential ham phrases on tapes or cassettes. 1 1/2 hours of situational QSOs with complete text and voice available in Spanish or English. Write FOREIGN LANGUAGE QSOs, Box 53, Acton, Mass., 01720.

FOR SALE: HW-12A 4th AC, excellent, \$86. Heath mobile supply \$35. Webster Bandpassfilter (80-10 meters) \$21. Package deal, \$112, or offers. DX-60B, good condx, make offer, Rosser Pryor, WB4PWD, 585 Curtis Parkway, Miami Springs, Fla., 33166. Phone 898-5451.

FOR SALE: SBE-34, mike, Hustler mobile ant. Spring 40-30 Res. Hump rack, works fine \$225.00. (On 40 daily) SX-100 excellent condition \$100.00. Dranke 2MT Xmt excellent, free VFO cables \$100.00. R. B. Locke WB4LUE, 10177 - 106th Terr. N. Large, FL Phone 392-2405.

TRANSFORMERS REWOUND: Jess Price, W4CLJ, 411 Gumbo Ave., Orlando, Fla. 32801. Phone (305) 425-7151.

WANTED: HA-30 VFO in OK condition. Nick Bourlik W4APN, Vindy Park Hotel (Star) St. Petersburg, FL 33731.

FOR SALE: COLLINS 100KHz, plug in Johnson 100KHz calibrator, switch and instructions \$10.00. Percent Modulation to 100 percent (with v-t ma scale) 3 inch round \$3.00. Sprague 12,000 MFD, can, 11 VDC, \$2.60. 40 meter counter loading coil, total 33 ft. required, not 65 feet, \$1.00. ARC-5, 120-5.3.5.9-7.1, and 3-6 Mc \$7.20 each. All FOB, Andy Clark, W4VYT, 41 Lempe Dr., Miami Springs, FL 33166. Phone 898-3875.

FOR SALE: Lampkin 105-B frequency meter with VHF-UHF-CB charts excellent condition \$150.00. Also Heath TT-1 top tube checker factory checked \$175.00. R. W. Mitchell W4WWB, 4724 Monroe Hollywood, FL Phone 989-7926.

GUARANTEED REPAIR ON ALL AMATEUR EQUIPMENT. ALL PROFESSIONAL TEST EQUIPMENT USED. For more information call Bob Pohorence, WB4RSK, 11046 N.W. 6th Lane, Miami, FL 33126 Phone (305) 236-5687.

FREE 40 foot EZ Way tower with purchase of Hy-Gain TH6DX, balun, 100 foot RG8 U coax, AR-22R rotor with control box and 100 foot of cable. Beam 6 months old \$125.00. Heathkit Apache xmt excellent \$75.00. Ranger 1 xmt, needs work on BFO. \$50.00. National NC-57B receiver excellent \$25.00. James Gagliolo WB4IME, 5501 - 46th Ave. No., St. Petersburg, FL 33708.

FOR SALE: THUNDERBOLT 2000 PEP with nearly new 74-400As, also extra pair of new 4-400As and pair of new 3B28 rectifier and antenna coax switch which includes contacts to change bias of amplifier. B&W switch to change from exciter to linear all for only \$300.00. A Litschauer W4UQ, 627 Ave. Alegria, West Palm Beach, FL 33405 Phone 835-7826.

FOR SALE: DRAKE TR-3, a.c. supply and MS-4 speaker, SWR bridge, D-104, mike, drake low pass, mosley trap dipole 10-15-20 meters ready to go on the air. Make offer. Sell Heath HR-30 SSB, CW ham band receiver, xtal filter, USB-LSB select perfect with manual \$60.00. Want Galaxy 2000-B or SB-200. Also want verticle antenna for 10 thru 40. Bob Pohorence WB4RSK, 11046 N.W. 6th Lane, Miami, FL 33126 Phone 305-226-5687.

DON'T FORGET 10th IS DEADLINE FOR ALL COPY

SCIENCE MUSEUM PROJECT

The Science Museum and Planetarium of Palm Beach County, Inc., a non-profit educational institution open at no charge to the public, is undertaking a unique project in radio communications which, to my knowledge, is unduplicated anywhere else. We are establishing a communications laboratory which will have a variety of functions including:

- Reception of satellite telemetry and tracking
- Monitoring of manned space missions

- Interception and identification of clandestine and unauthorized radio stations; direction finding

- Spectrum studies and frequency measurement

- Amateur radio communications and scientific network affiliation

- Broad-spectrum reception capabilities from VLF through microwave propagation experimentation and antenna research

- ESSA weather satellite reception and mapping

As you can see, our interests and desires are wide and deep, and this is where we hope you can help us. As we are a tax-exempt institution, an equipment donor may deduct the true value of any equipment donation (or devaluation of any equipment received on a scientific loan basis) which may consist of items surplus to his needs. Naturally, financial grants are also desirable, but we know how hard to find they are during an inflationary period! For that reason, we are contacting a limited number of qualified organizations in high hopes of acquiring equipment which will be useful in our research and public education program. For more details write me at address below.

Robert B. Grove, WA4PYQ
Curator of Science and Technology
P.O. Box 6637
West Palm Beach, FL 33406

THANKS FOR
STOPPING BY
OUR BOOTH
AT HAMBOREE.

EDITOR.



"Never mind the house... SAVE MY HAM GEAR!!!"

EMERGENCY

(Continued from Page 14)

those nearest at hand, namely one who is on the frequency. For this reason All Emergency procedures call for and give authority to, any SEC, Asst. SEC, SCM, Net Managers, or Asst. Net Managers or Net controls to call a net into emergency session. In the event of their absence an individual could call it into session. The Net Manager should be notified immediately however, even if it means calling long distance to do so, and the SEC should also be notified.

The question WHEN ??? Simply, anytime that regular communications are disrupted in a vast way. For example the happenings of August 5, or a tornado, or a violent wind and lightning storm that can spawn tornadoes, when it rips communication and electrical lines, stranding a city. That IS the time for emergency nets, and it IS the times we should be on the

lookout for.

NET MOBILE NET

We have talked many times about organizing a "Mobile Net" but due to many factors it has never been fully organized, recently had a drill that proved — Positive — that it was indeed and had an important roll to play. During the events of August 5, it would have been ideal for fast information to be relayed by such a mobile net.

WA4RGO, Al, Elmore P.O. Box 848, Brandon, Fla. has agreed to accept chairmanship for the organization of such a net, to be worked in, with the operation of the FSBEN. We will be hearing much more from him on this endeavor and solicit your cooperation and ideas for him.

We solicit thoughts and information from Intra-City 2 meter nets with liason to 3940, in addition to having mobiles join the net who will be willing to jump into their cars, drive 20 to 50 miles to provide communications for an area that is

without. To fully realize the magnitude of such a situation, let your imaginations ramble a little. Hospitals without communications, police, fire departments, and Red Cross. This is just a few but they run many more.

Those of you who were not in SE Fla. when the electricity was off in an area embracing over two million people, can't imagine the chaos that was caused by the traffic lights being off. That coupled with telephone difficulties made an unpleasant situation.

In the future, when you hear of, or experience, such a happening, use your emergency facilities either fixed or mobile and check on 3940 The Florida Sidebanders Emergency Net. Ours is service to the Public but we must have participants. This is a private net but cooperates wholeheartedly with others. This was also one time when full cooperation existed, between ARPSC, MARS and FSBEN. Don't let it stop HERE!

COMING EVENTS

National S.E.T.	Jan. 30-31
BARC Auction, Hollywood	Mar. 13
Florida QSO Party	Apr. 3-4
Orlando Hamfest	May 22-23
Brandon (BARS) Camporee	June 11-13

BE SURE TO READ

THE IMPORTANT
MESSAGE ON PAGE ONE.

—Editor